# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-191754
(43)Date of publication of application : 13.07.1999

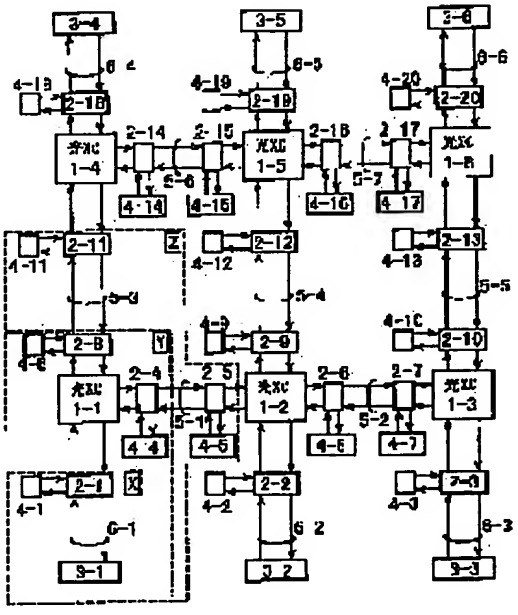
(51)Int.CI. H04B 10/08
H04B 3/46
H04J 14/00
H04J 14/02
H04B 10/20
H04B 17/00
H04Q 3/52

(21)Application number : 09-357365
(22)Date of filing : 25.12.1997

(71)Applicant : FUJITSU LTD
(72)Inventor : KUROYANAGI TOMOJI
NISHI TETSUYA
NAKAJIMA ICHIRO
MAEDA TAKUJI
TSUYAMA ISAO

## (54) WAVELENGTH MULTIPLEXING OPTICAL NETWORK

(57)Abstract:
PROBLEM TO BE SOLVED: To section a faulty location by designating an optional section of an optical path and conducting the continuity test of the designated section without converting an optical signal in a wavelength multiplexing optical network.
SOLUTION: Optical path interface sections 2-1 to 2-20 are provided to sets of incoming and outgoing signal optical transmission lines 5-1 to 5-7, 6-1 to 6-6 through which each input output optical signals of wavelength multiplexing transmitters 1-1 to 1-6 are transmitted, the optical path interface sections are provided with 1st test signal transmission reception sections 3-1 to 3-6 connected via the optical transmission lines 6-1 to 6-6 in the station and a 2nd test signal transmission reception sections 4-1 to 4-20 in pairs with the optical path interface sections 2-1 to 2-20. The optical path interface sections apply routing or loopback to a test signal sent from the 1st or 2nd test signal transmission reception section to a desired output port of the wavelength multiplex transmitter or the optical transmission line.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or

application converted registration]
[Date of final disposal for application]
[Patent number]
[Date of registration]
[Number of appeal against examiner's decision of rejection]
[Date of requesting appeal against examiner's decision of rejection]
[Date of extinction of right]